T-028 P.03/08 F-420

Appl. No. 10/828,699 Resp. dated March 9, 2006 Reply to Office Action of December 13, 2005

## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims

1. (original) A medical device, comprising:

an elongate shaft having a proximal end, a distal end, a first lumen extending therethrough, and a second lumen extending therethrough;

a balloon coupled to the shaft; and

one or more cutting members coupled to the balloon,

wherein the one or more cutting members each include a traction region that is configured to improve traction between the balloon and a target site.

- 2. (original) The medical device of claim 1, wherein the traction region is defined by a plurality of saw-tooth projections extending from the cutting members.
- 3. (original) The medical device of claim 1, wherein the traction region is defined by a series of undulations in the cutting members.
- 4. (original) The medical device of claim 3, wherein the undulations curve from side-toside.
  - 5. (original) The medical device of claim 3, wherein the undulations curve up and down.
- 6. (original) The medical device of claim 1, wherein the traction region is defined by a plurality of bumps disposed on the cutting members.
- 7. (original) The medical device of claim 1, wherein the traction region is defined by a helical region of the cutting members.
- 8. (original) The medical device of claim 1, wherein the traction region is defined by a saddle-shaped region of the cutting members.

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- 9. (original) The medical device of claim 1, wherein the cutting members each include a proximally-extending connector wire and a distally-extending connector wire that are both attached to the shaft.
- 10. (original) The medical device of claim 9, wherein the proximally-extending connector wire and the distally-extending connector wire are connected to the shaft at opposing sides of the balloon.
- 11. (original) The medical device of claim 10, wherein the cutting members are not directly attached to the balloon.
  - 12. (original) A cutting balloon catheter, comprising:
  - an elongate catheter shaft;
  - a balloon coupled to the shaft; and
- a cutting blade coupled to the balloon, the cutting blade including means for cutting and means for gripping thereon.
- 13. (original) The catheter of claim 12, wherein the means for cutting and means for gripping are defined by a plurality of saw-tooth projections on the cutting blade.
- 14. (original) The catheter of claim 12, wherein the means for cutting and means for gripping are defined by a series of undulations on the cutting blade.
  - 15. (original) The catheter of claim 14, wherein the undulations curve from side-to-side.
  - 16. (original) The catheter of claim 14, wherein the undulations curve up and down.
- 17. (original) The catheter of claim 12, wherein the means for cutting and means for gripping are defined by a plurality of bumps disposed on the cutting blade.

- 18. (original) The catheter of claim 12, wherein the means for cutting and means for gripping are defined by a helical twist defined in the cutting blade.
- 19. (original) The catheter of claim 12, wherein the means for cutting and means for gripping are defined by a saddle-shaped region of the cutting blade.
- 20. (original) The catheter of claim 12, wherein the cutting blade includes a proximally-extending connector wire and a distally-extending connector wire that are both attached to the catheter shaft.
- 21. (original) The catheter of claim 20, wherein the proximally-extending connector wire and the distally-extending connector wire are connected to the catheter shaft on opposing sides of the balloon.
- 22. (original) The catheter of claim 20, wherein the cutting blades are not directly attached to the balloon.
  - 23. (original) A cutting balloon catheter, comprising:

an elongate catheter shaft;

a balloon coupled to the shaft; and

- a cutting blade coupled to the balloon, the cutting blade including an uneven traction surface that is configured to improve the traction between the balloon and a target site.
- 24. (original) A medical device for expanding an intravascular lesion, comprising: an elongate shaft having a proximal end, a distal end, a first lumen extending therethrough, and a second lumen extending therethrough;

a balloon coupled to the shaft;

one or more cutting members coupled to the balloon; and

means for improving traction between the balloon and the intravascular lesion.